



EASTERN UNIVERSITY, SRI LANKA

SECOND YEAR, FIRST SEMESTER EXAMINATION IN AGRICULTURE - 2007/2008

AGB 2101: PLANT PHYSIOLOGY

END SEMESTER EXAMINATION

Answer all questions

Time: One hour

This paper should be answered in English

1. a) List out the enzymes catalyzing the reactions of the C₃ photosynthetic pathway. (25 points)
- b) "Photorespiration is light dependent". Briefly explain this statement. (25 points)
- c) Write down the mechanism of 'phloem transport' in plants. (25 points)
- d) Briefly explain the process of 'Guttation' in plants. (25 points)

2. a) Outline the CO₂ fixation process in C₄ plants. (50 points)
- b) Give a brief account on 'Sink-Source' relationship in plants. (50 points)
